Steven M. Grodsky, Ph.D.

Creative | Applied | Solutions-oriented

211e Fernow Hall
Cornell University
Ithaca, NY 14853
E-mail: grodsky@cornell.edu
Website: stevegrodsky.com

ACADEMIC APPOINTMENTS

Assistant Professor, Department of Natural Resources and the Environment, Cornell University	2021 – present
Assistant Unit Leader, United States Geological Survey, New York Cooperative Fish and Wildlife Research Unit	2021 – present
Cornell Atkinson Center for Sustainability Fellow, Cornell University	2022 – present
Graduate Faculty, Department of Entomology, Cornell University	2023 – present
Adjunct Assistant Research Ecologist, University of California, Davis	2021 – present
Assistant Research Ecologist, University of California, Davis	2019 - 2020
Co-founder/Co-Director, Wild Energy Initiative, University of California, Davis	2017 - 2022
Affiliated Faculty, Energy and Geography Graduate Groups, University of California, Davis	2019 - 2021
Postdoctoral Scholar, Department of Land, Air and Water Resources, University of California, Davis	2016 - 2019

PROFESSIONAL PREPARATION

Ph.D., North Carolina State University (*Wildlife and Conservation Biology, minor in Entomology*)	2016
M.S., University of Wisconsin, Madison (*Forest and Wildlife Ecology*)	2010
B.S., Rutgers, The State University of New Jersey (*Conservation and Applied Ecology, certificate in Environmental Geomatics*)	2008

PUBLICATIONS

Journal articles (citations = 1089; h-index = 17; i10-index = 28)
**Postdoc or student advisee*

38. Y. Yang, J. Zhenong, N. D. Mueller, A. Driscoll, R. R. Hernandez, **S. M. Grodsky**, L. Sloat, M. Chester, Y. G. Zhu, and D. Lobell. *Accepted*. Sustainable irrigation and climate feedbacks. Nature Food.

37. **Grodsky, S. M.**, K. A. Roeder, and J. W. Campbell. *In press*. Effects of solar energy development on ants in the Mojave Desert. *Ecosphere*.

36. Wade, M. J.*, K. Moore-O'Leary, **S. M. Grodsky**, R. R. Hernandez, and M H. Meek. 2023. Of Mojave milkweed and mirrors: The population structure of a species impacted by solar energy development. *Conservation Science and Practice*. e12987. doi.org/10.1111/csp2.12987.

35. Cagle, A. E.*, M. Shepard, **S. M. Grodsky**, A. Armstrong, S. M. Jordaan, and R. R. Hernandez. 2022. Standardized metrics to quantify solar energy-land relationships: A global systematic review. *Frontiers in Sustainability*. doi: 10.3389/frsus.2022.1035705.

34. Almeida, R. M., R. Schmitt, **S. M. Grodsky**, A. S. Flecker, C. P. Gomes, L. Zhao, H. Liu, N. Barros, R. Kelman, and P. B. McIntyre. 2022. Floating solar: evaluate trade-offs. *Nature*. 606:246-249.

33. Hernandez, R. R., A. E. Cagle*, **S. M. Grodsky**, G. Exley, and S. M. Jordaan. 2022. Comments on: Land use for United States power generation: A critical review of existing metrics with suggestions for going forward (Renewable and Sustainable Energy Reviews 2201; 143:110911). *Renewable and Sustainable Energy Reviews*. 166:112256.

32. Campbell, J. W., **S. M. Grodsky**, M. Milne, P. Viguiera, C. C. Viguiera, E. Stern, and C. H. Greenberg. 2022. Prescribed fire and other fuel-reduction treatments increase spider abundance in a Southern Appalachian hardwood forest. *Forest Ecology and Management*. 510:120127.

31. Grodsky, S. M., J. W. Campbell, and R. R. Hernandez. 2021. Solar energy development impacts flower-visiting beetles and flies in the Mojave Desert. *Biological Conservation*. 263:109336.

30. Grodsky, S. M. 2021. Matching renewable energy and conservation targets for a sustainable future. *One Earth*. 4:924–926.

29. Campbell, J. W., S. M. Grodsky, A. P. Monroe, and J. A. Martin. 2021. Bee (Apoidea) community response to perennial grass treatments managed for livestock production and conservation. *Agriculture, Ecosystems and Environment*. 313:107391.

28. Cagle, A.*, A. Armstrong, G. Exley, S. M. Grodsky, J. Macknick, J. Sherwin, and R. R. Hernandez. 2020. The land sparing, water surface use efficiency, and water surface transformation of floating photovoltaic solar energy installations. *Sustainability*. 12:8154. doi:10.3390/su12198154.

27. Yang, Y., S. E. Hobbie, R. R. Hernandez, D. Tilman, **S. M. Grodsky**, Y-G. Zhu, Y. Luo, T. M. Smith, J. Fargione, J. M. Jungers, M. Yang, W-Q Chen. 2020. Restoring abandoned farmland to mitigate climate change on a full Earth. *One Earth*. 3:176–186.

26. **Grodsky, S. M.** & R. R. Hernandez. 2020. Reduced ecosystem services of desert plants from ground- mounted solar energy development. *Nature Sustainability*. 3:1036–1043. doi:10.1038/s41893-020-0574-x.

25. Saul-Gershenz, L. S., **S. M. Grodsky**, and R. R. Hernandez. 2020. Ecology of the western queen butterfly *Danaus gilippus thersippus* (Lepidoptera: Nymphalidae) in the Mojave and Sonoran Deserts. *Insects*. 11:315. doi:10.3390/insects11050315.

24. **Grodsky, S. M.**, L. S. Saul-Gershenz, K. A. Moore-O'Leary, and R. R. Hernandez. 2020. Her Majesty's desert throne: The ecology of queen butterfly oviposition on Mojave milkweed host plants. *Insects*. 11:257. doi:10.3390/insects11040257. ▽*Selected as Editor's Choice article.*

23. **Grodsky, S. M.**, R. R. Hernandez, J. W. Campbell, K. R. Hinson, O. Keller, S. R. Fritts, J.A. Homyack, and C. E. Moorman. 2019. Ground beetle (Coleoptera: Carabidae) response to harvest residue retention: Implications for sustainable forest bioenergy production. *Forests*. 11:48. doi:10.3390/f11010048.

22. Hernandez R. R., A. Armstrong, J. Burney, G. Ryan, K. Moore-O'Leary, I. Diédhiou, **S. M. Grodsky**, L. Saul-Gershenz, R. Davis, J. Macknick, D. Mulvaney, G. A. Heath, S. B. Easter, M. K. Hoffacker, M. F. Allen, and D. M. Kammen. 2019. Techno-ecological synergies of solar energy produce beneficial outcomes that mitigate global environmental change. *Nature Sustainability*. 2:560–568.

21. **Grodsky, S. M.**, L. S. Saul-Gershenz, K. A. Moore-O'Leary, J. P. Whitney, and R. R. Hernandez. 2019. Hare don't care! Consumption of a rare, desert milkweed containing phytochemicals by the black-tailed jackrabbit. *Journal of Arid Environments*. 174:103991. doi:10.1016/j.jaridenv.2019.103991.

20. Campbell, J. W., **S. M. Grodsky**, D. Halbritter, P. Vigueira, C. Vigueira, O. Keller, and C. H. Greenberg. 2019. Asian needle ant (Brachyponera chinensis) and woodland ant responses to repeated applications of fuel reduction methods. *Ecosphere*. doi:10.1002/ecs2.2547.

19. Cope, G. C.*, J. W. Campbell, **S. M. Grodsky**, and J. D. Ellis. 2019. Evaluation of nest-site selection of ground-nesting bees and wasps (Hymenoptera) using emergence traps. *Canadian Entomologist*. 151:260–271.

18. Campbell, J. W., C. B. Kimmel, **S. M. Grodsky**, C. Smithers, J. C. Daniels, and J. D. Ellis. 2019. Wildflower plantings harbor increased arthropod richness and abundance within intensively managed agricultural areas. *Ecosphere*. doi:10.1002/ecs2.2890.

17. **Grodsky, S. M**., C. E. Moorman, S. R. Fritts, J. W. Campbell, M. A. Bertone, C. E. Sorenson, S. B. Castleberry, and T. B. Wigley. 2018. Invertebrate community response to coarse woody debris removal for bioenergy production from intensively managed forests. *Ecological Applications*. 28:135–148. [▽]*Selected as journal cover article.*

16. **Grodsky, S. M.**, J. W. Campbell, S. R. Fritts, T. B. Wigley, and C. E. Moorman. 2018. Variable responses of non-native and native ants to coarse woody debris removal following forest bioenergy harvests. *Forest Ecology and Management*. 427:414–422.

15. Campbell, J. W., **S. M. Grodsky**, O. Keller, C. Vigueira, E. Waite, P. Vigueira, and C. Greenberg. 2018. Response of beetles (Coleoptera) to repeated applications of prescribed fire and other fuel reduction techniques in the southern Appalachian Mountains. *Forest Ecology and Management*. 429:294–299.

14. Fritts, S. R., C. E. Moorman, **S. M. Grodsky**, D. W. Hazel, J. A. Homyack, C. B. Farrell, and S. B. Castleberry. 2017. Rodent response to harvesting woody biomass for bioenergy production in the southeastern United States. *Journal of Wildlife Management*. 81:1170–1178.

13. Virzi, T., J. L. Lockwood, R. G. Lathrop, **S. M. Grodsky**, and D. Drake. 2017. Predicting American oystercatcher breeding distribution in an urbanized coastal ecosystem using Maximum Entropy Modeling. *Waterbirds*. 40 (SP1):104–122.

12. **Grodsky, S. M.**, C. E. Moorman, S. R. Fritts, S. B. Castleberry, and T. B. Wigley. 2016. Breeding, early-successional bird response to forest harvests for bioenergy. *PLOS One*. 11(10): e0165070. doi:10.1371/journal.pone.0165070.

11. **Grodsky, S. M.**, C. E. Moorman, S. R. Fritts, D. W. Hazel, J. A. Homyack, S. B. Castleberry, and T. B. Wigley. 2016. Winter bird use of harvest residues in clearcuts and the implications of forest bioenergy harvest in the southeastern United States. *Forest Ecology and Management*. 379:91–101.

10. Fritts, S. R., C. E. Moorman, **S. M. Grodsky**, D. W. Hazel, J. A. Homyack, S. B. Castleberry, K. H. Pollock, and C. B. Farrell. 2016. Can biomass harvesting guidelines sustain herpetofauna following harvest of logging residues for renewable energy? *Ecological Applications*. 26:926–939.

9. Virzi, T., J. L. Lockwood, D. Drake, **S. M. Grodsky**, and T. Pover. 2016. Conservation implications of reproductive success of American oystercatchers in an urbanized barrier island complex. *Wader Study*. 123:202–212.

8. **Grodsky, S. M.**, R. B. Iglay, C. E. Sorenson, and C. E. Moorman. 2015. Should invertebrates receive greater inclusion in wildlife research journals? *Journal of Wildlife Management.* 79:529–536. [▽]Inspired the Editor's Message "*What Taxa are Appropriate for the Journal*?" in the May 2015 issue of the *Journal of Wildlife Management*.

7. Fritts, S. R., **S. M. Grodsky**, D. W. Hazel, J. A. Homyack, S. B. Castleberry, and C. E. Moorman. 2015. Quantifying multi-scale habitat use of woody biomass by southern toads. *Forest Ecology and Management*. 346:81–88.

6. Fritts, S. R., C. E. Moorman, **S. M. Grodsky**, D. W. Hazel, J. A. Homyack, C. B. Farrell, and S. B. Castleberry. 2015. Shrew response to variable woody debris retention: Implications for sustainable forest bioenergy. *Forest Ecology and Management*. 336:35–43.

5. Drake, D., C. S. Jennelle, J. N. Lui, **S. M. Grodsky**, S. Schumaker, and M. Sponsler. 2015. Regional analysis of wind turbine-caused bat mortality. *Acta Chiropterologica*. 17:179–188.

4. **Grodsky, S. M.**, C. S. Jennelle, and D. Drake. 2013. Bird mortality at a wind-energy facility near a Wetland of International Importance. *The Condor: Ornithological Applications*. 115:700–711.

3. **Grodsky, S. M.**, C. S. Jennelle, D. Drake, and T. Virzi. 2012. Bat mortality at a wind-energy facility in southeastern Wisconsin. *Wildlife Society Bulletin*. 36:773–783.

2. **Grodsky, S. M.**, M. J. Behr, A. Gendler, D. Drake, B. D. Dieterle, R. J. Rudd, and N. L. Walrath. 2011. Investigating the causes of death for wind turbine-associated bat fatalities. *Journal of Mammalogy*. 92:917–925.

1. Garvin, J. C., C. S. Jennelle, D. Drake, and **S. M. Grodsky**. 2011. Response of raptors to a windfarm. *Journal of Applied Ecology*. 48:199–209.

39. Wu, D.[†], **S. M. Grodsky**[†], W. Xu[†], N. Lui[†], R. M. Almeida, L. Zhou, L. Miller, Z. Zhao, S. Roy, G, Xia, A. A. Agrawal, B. Z. Houlton, A. S. Flecker, and X. Xu. *In review*. Large wind farms reduce grassland productivity and carbon sequestration via atmospheric drying. *Science Bulletin*. [†]Authors contributed equally.

40. N. Kochendoerfer*, C. F. McMillan, P. A. Lapierre, M. A. Zaman, S. H. Morris, A. DiTommaso, and **S. M. Grodsky**. In review. Co-location of sheep grazing and solar energy production yields agrotechnological synergies. *Agricultural Systems*.

41. Abbate, A. P.*, J. W. Campbell, **S. M. Grodsky**, and G. R Williams. In review. Assessing the attractiveness of native wildflower species to bees (Hymenoptera) in the southeastern United States. *Journal of Applied Ecology*.

Book

1. Moorman, C. E., **S. M. Grodsky**, and S. P. Rupp (eds.). 2019. *Renewable Energy and Wildlife Conservation*. Baltimore, Johns Hopkins University Press, 10 September 2019. https://www.press.jhu.edu/news/blog/renewable-energy-ecology-next-frontier-%09conservation-science.

Book chapters

5. Campbell, J. W & **S. M. Grodsky**. *In press*. Invertebrate sampling. Pp. 555-580 *in* The Wildlife Techniques Manual. 9th edition. L. Powell and J. Carrol (eds.) Johns Hopkins University Press.

4. **Grodsky, S. M.**, S. R. Fritts, and R. R. Hernandez. 2019. Renewable energy ecology: The next frontier in wildlife science. Pp. 247-260 *in* Renewable Energy and Wildlife Conservation. C. Moorman, **S. Grodsky**, and S. Rupp (eds.). Johns Hopkins University Press.

3. Moorman, C. E., **S. M. Grodsky**, and S. P. Rupp. 2019. Introduction: Renewable energy and wildlife conservation. Pp. 1-13 *in* Renewable Energy and Wildlife Conservation. C. Moorman, **S. Grodsky**, and S. Rupp (eds.). Johns Hopkins University Press.

2. Murphy-Mariscal, M., **S. M. Grodsky**, and R. R. Hernandez. 2018. Solar energy development and the biosphere. Pp. 387-401 *in* A Comprehensive Guide to Solar Energy Systems. T. Letcher and V. Fthenakis (eds.). Elsevier.

1. **S. M. Grodsky**, C. E. Moorman, and K. R. Russell. 2016. Forest wildlife management. Pp. 47-85 *in* Ecological Forest Management Handbook. G. LaRocque (ed.). Taylor Francis Group/CRC Press.

6. **S. M. Grodsky** & C. E. Moorman. In review. Forest wildlife management. *In* Ecological Forest Management Handbook – Second Edition. G. LaRocque (ed.). Taylor Francis Group/CRC Press.

Popular Press and Technical Writing

8. **Grodsky, S. M.** 2023. Join the Revolution: For wildlifers, renewable energy offers unprecedented challenges—and opportunities. *The Wildlife Professional*. May/June 2023 Issue.

7. **Grodsky, S. M.**, K. A. Moore-O'Leary, and R. R. Hernandez. 2017. From butterflies to bighorns: Multi-dimensional species-species and species-process interactions may inform sustainable solar energy development in desert ecosystems. *Proceedings of the 31st Annual Desert Symposium* (R. L. Reynolds, ed.). California State University Desert Studies Center. Zzyzx, CA. April 14-15, 2017.

6. Drake, D, J. N. Lui, C. S. Jennelle, **S. M. Grodsky**, S. Schumaker, and S. Sponsler. 2012. Regional analysis of wind turbine-caused bat fatality. *Proceedings of the National Wind Coordinating Collaborative Wind Wildlife Research Meeting IX* (S. Schwartz, ed.). Broomfield, Colorado. November 28-30, 2012. Resolve, Inc. Washington, DC.

5. **Grodsky, S. M.**, M. J. Behr, A. Gendler, N. L. Walrath, and D. Drake. 2010. Bat mortality at a wind farm in southeastern Wisconsin (with a special emphasis on causes of death for bats killed by wind turbines). *Proceedings of the National Wind Coordinating Collaborative Wind Wildlife Research Meeting VIII* (S. Schwartz, ed.). Lakewood, Colorado. October 19-21, 2010. Resolve, Inc. Washington, DC.

4. Drake, D., J. C. Garvin, C. S. Jennelle, and **S. M. Grodsky**. 2010. Response of raptors to a Wisconsin wind energy facility. *Proceedings of the National Wind Coordinating Collaborative Wind Wildlife Research Meeting VIII* (S. Schwartz, ed.). Lakewood, Colorado. October 19-21, 2010. Resolve, Inc. Washington, DC.

3. Fritts, S. R., **S. M. Grodsky**, and C. E. Moorman. 2014. Managing woody debris to sustain wildlife populations following woody biomass harvests. *Southeastern Partnership for Integrated Biomass Supply Chains*. Available at http://www.se-ibss.org/publications-and-patents/peer-reviewed-publications/.

2. **S. M. Grodsky**, K. Tanner, J. Whitney, and R. R. Hernandez. 2020. Desert plant response to solar energy development: Trophic interactions, rare and invasive species, and management implications. *California Energy Commission*. CEC-500-2020-076.

1. **Grodsky, S. M.** & D. Drake. 2011. Bird and bat mortality at the Forward Energy Center in southeastern Wisconsin. Reference #152052. Final report prepared for the *Public Service Commission of Wisconsin* and Invenergy, LLC. Available at http://www.stevegrodsky.com/publications/.

RESEARCH GRANTS AND CONTRACTS

$5.5 million USD in Lead PI grants; $7.5 million USD in total research funding to date

2023	PI	Leveraging eDNA for a National Pollinator-Solar Energy Monitoring and Research Network	*U.S. Department of Energy*	$2 million
2023	PI	Agroecological elements of agrivoltaics in New York (part of $1 million agrivoltaics award to Cornell CALS)	*New York Ag and Markets*	$300,000
2023	PI	Regional assessment of the threatened and endangered species-renewable energy nexus in the Northeastern United States	*Northeast Association of Fish and Wildlife Agencies*	$175,510
2022	PI	Renewable Energy Ecology Fund	*Intersect Power & EDF Renewables*	$210,000
2022	PI	Valuation of biodiversity and ecosystem services in the agriculture-conservation-solar energy matrix	*Cornell Atkinson Center for Sustainability*	$125,000
2022	PI	Techno-ecological impacts and synergies of floating solar	*Cornell Atkinson Center for Sustainability*	$160,000
2022	PI	Pollinator monitoring and research in the eastern United States	*U.S. Fish and Wildlife Service*	$255,000
2022	PI	Grassland birds and solar energy in New York State	*New York State Department of Environmental Conservation*	$698,160
2022	PI	Non-lead ammunition program for eagle conservation and as a compensatory mitigation option for eagle take at wind facilities in New York State	*New York State Department of Environmental Conservation*	$487,365
2021	PI	Informing solar energy development practices conducive to desert ecosystem conservation and management	*U.S. Bureau of Land Management*	$256,000
2021	Co-PI	Ecological restoration for techno-ecological synergies of solar energy: Promoting vegetation, pollinators, soil quality, and ecosystem services	*Electric Power and Research Institute & Sacramento Municipal Utility District*	$788,000
2021	Co-PI	Bolstering capacity for economically viable, commercial scale floating photovoltaic solar energy development with applied sustainability science	*ENEL Green Power*	$315,000
2020	PI	Impacts of solar energy development on desert wildlife and ecosystem services	*U.S. Bureau of Land Management*	$402,453
2020	Co-PI	Quantifying and valuing fundamental characteristics and benefits of floating photovoltaic (FPV) systems	*U.S. Department of Energy*	$750,000

2019	PI	Informing pollinator conservation at Ivanpah Solar Electric Generating System in the Californian Mojave Desert	*U.S. Bureau of Land Management*	$149,982
2017	Co-PI	Solar energy potential of the largest commercial buildings in the United States	*Center for Biological Diversity*	$57,000

SELECTED HONORS AND AWARDS

2023	Invited proposal reviewer: Responsible upscaling of floating solar	*Dutch Research Council*
2022	Invited member of *three* project advisory groups	*Solar Energy Technologies Office, U.S. DOE*
2022	Quality Step Increase Award for Exceptional Performance	*U.S. Geological Survey*
2022	Cornell Atkinson Center for Sustainability Fellow	*Atkinson Center, Cornell*
2020 - present	Selected press coverage of research in top media outlets	*ABC Sacramento (TV), Washington Post, LA Times, Huffington Post, NPR, Nature, Inside Climate News, Renewable Energy Magazine, Solar Magazine, WIRED, among others*
2019	Distinguished Postdoctoral Scholar Award	*Department of Land, Air and Water Resources, UC Davis*
2016	Joseph E. and Robin C. Hightower Graduate Student Award in Fisheries and Wildlife Sciences	*NC State University*
2015	Namkoong Family Graduate Fellowship for Excellence in Conservation and Ethics	*NC State University*
2014	Charles B. Davey Graduate Fellowship for Excellence in the Biological Sciences	*NC State University*
2014	Preparing the Professoriate Fellow	*The Graduate School, NC State University*
2012	Global Change Fellow	*Southeast Climate Adaptation Science Center, US. DOI*
2008	James E. Applegate Award for the Outstanding Student in Wildlife Conservation	*Rutgers, The State University of New Jersey*

RECENT SYNERGISTIC ACTIVITIES AND SERVICE

- Co-PI on *Sustainability Transitions for Climate-Resilient Futures* cohort-based hire as part of Cornell CALS Transdisciplinary Moonshot Hiring Initiative; responsible for creating a tenure-track socioecologist position in the Department of Natural Resources and the Environment and a tenure-track bioengineer position in the Department of Biological and Environmental Engineering
- Created and built the first floating solar research and demonstration site for manipulative experiments in the world at the Cornell Ponds Experimental Facility
- PI on effort to raise $1 million from the NY Department of Ag and Markets for agrivoltaics research at Cornell CALS

- Co-founder and Co-director of the *Wild Energy Initiative* (2017 – 2022); "the Wild Energy Initiative facilitates impartial research and education on interactions between energy development and Earth, including its systems and species, to address urgent sustainability issues."
- U.S. Department of Energy advisory groups: 1) Member, Evaluation of Economic, Ecological, and Performance Impacts of Co-Located Pollinator Plantings at Large-Scale Solar Installations | 2) Member, Developing tools and data to assess opportunities for floating solar in the United States
- Proposal reviewer: Dutch Research Council, Cornell Atkinson Academic Venture Fund, Hatch Federal Capacity Fund
- Journal reviewer for: Ecology, Biological Conservation, Scientific Reports, Ecological Applications, Environmental Science and Technology, Environmental Management, Forest Ecology and Management, Ecology and Evolution, Journal of Mammalogy, Biomass and Bioenergy, Canadian Journal of Forest Research, Canadian Journal of Zoology, European Journal of Wildlife Research, Journal of Forestry, Urban Ecosystems, Wilson Journal of Ornithology, The Journal of the Kansas Entomological Society, among others
- Eight symposia and seminars organized/co-organized at the annual conferences of *The Wildlife Society* and *The Entomological Society of America*
- Cornell Department of Natural Resources and Environment Departmental Seminar Committee Co-Chair (2022 – present)
- Cornell Student Chapter of The Wildlife Society Faculty Co-advisor (2022 – present)

PRESENTATIONS (invited = 42; contributed = 34; poster = 12)

Recent, invited presentations on renewable energy ecology (2021 – present)

Hudson River Environmental Society | University of Groningen Business School | Michigan State University | 2030 Cornell Climate Impact Roundtable | Cornell Atkinson Center for Sustainability | Cornell Cooperative Extension | New York Invasive Species Research Institute | Cornell Energy Systems Institute | Department of Natural Resources and the Environment, Cornell University | Department of Ecology and Evolutionary Biology, Cornell University | Northeast Climate Change Working Group

Recent, invited presentations on solar energy and ecosystems (2021 – present)

Department of Entomology, Cornell University | Entomological Society of America (member symposium) | Northeast Agribusiness and Certified Crop Advisor Conference | Cornell Cooperative Extension Agriculture and Solar Summit | Rights of Way Working Group, University of Chicago – Illinois | American Clean Power Siting and Environmental Compliance Virtual Summit | Wild Energy Seminar: Energy and Environment in Transition |

Instruction

2021, 2022	Renewable Energy Ecology	Cornell University
2020	Insects and People	North Carolina State University
2016	Doris Duke Conservation Scholars	North Carolina State University
2011	Principles of Ecology	University of Wisconsin – Richland
2011	Animal Biology	University of Wisconsin – Richland

Guest lecturer

Conservation Justice, Intro to Grad Studies (Cornell University) | Forest and Wildlife Management, Vertebrate Natural History, Wildlife Management, Insects and People (NC State University) | Intro to Conservation Health (NC State Vet School)

Mentorship

Postdocs and fellows

Nick Ray (Cornell University, ongoing) | Adam Gallaher (Cornell Atkinson, ongoing) | Niko Kochendoerfer (Cornell University, ongoing)

Major professor

Marie Hardouin (Ph.D., Cornell University, ongoing) | Kyle Turchick (Ph.D., Cornell University, ongoing) | Caitlin Davis (Ph.D., Cornell University, ongoing) | Tim Boycott (Ph.D., Cornell University, ongoing) | Trifosa Simamora (Ph.D., Cornell University, ongoing) | Shianne Lindsay (Ph.D., Cornell University, ongoing) | Rachel Kelty (M.S., Cornell University, ongoing) | Tess Canino (M.S., Cornell University, ongoing) | Matthew Gee (MPS, Cornell University, ongoing) | Jason Rose (MPS, Cornell University, 2021) | Jason Whitney (Co-chair*, Ph.D., University of California, Davis) | Alex Cagle (Co-chair*, Ph.D., University of California, Davis) | Yudi Li (Co-chair*, Ph.D., University of California, Davis)

Graduate committee service

Mark Buckner (Ph.D., Cornell University, ongoing) | Ingrid Salazar (M.S., San Jose State University, 2021)

Undergraduate supervision

E. Phair, A. Bloom, E. Christianson, K. Fischer, F. Marks (Cornell University: 2021 - 2022) | P. Khilnani, M. Shepard, A. Saranow, K. Johnson, R. Oelsner, T. Moger, D. Osbourne, A. Mehiel, S. Dias, M. Cooper, M. Gee (University of California, Davis: 2016 – 2019) | G. Cope (University of Florida (remote): 2018 – 2019) | A. Martinez, H. Lacava, L. Mash, L. Maynard, L. House (NC State University: 2014 – 2106) | University of Wisconsin – Richland Natural Resources Club Faculty Advisor (2011) | K. Abts, B. Bauer (University of Wisconsin – Madison: 2011 – 2012)

Research staff

L. Franklin & E. Robles (University of California, Davis: 2019)

RECENT PROFESSIONAL SERVICE AND MEMBERSHIPS

- Editorial: Topical Advisory Panel for *Insects*, Review Editor - Quantitative Sustainability Assessment specialty section in *Frontiers in Sustainability*
- 2023 Hudson River Symposium Planning Committee
- Cornell University Student Chapter of The Wildlife Society Faculty Co-Advisor (w/ Dr. Angela Fuller; 2022 – present)
- The Wildlife Society (Renewable Energy Working Group; contributor to The Wildlife Society Book Series w/ Johns Hopkins University Press: 1) Renewable Energy and Wildlife Conservation, co-editor | 2) The Wildlife Techniques Manual, chapter co-author; author of articles appearing in *Journal of Wildlife Management*, *Wildlife Bulletin*, and *The Wildlife Professional*; Executive Board Member – North Carolina Chapter of The Wildlife Society
- Entomological Society of America, member and symposia contributor and speaker
- Cornell Sustainable Solar, member
- Northeast Climate Change Working Group, member